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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known					
				Application Number		09/996,978			
				Filing Date		October 31, 2001			
				First Named Inventor		Mark D. Markel			
				Group Art Unit		3731			
Examiner Name		to be assigned		Attorney Docket Number		A-70829/ENB			
Sheet	1	of	4						
U.S. PATENT DOCUMENTS									
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
		Number	Kind Code ² (if known)						
	A1	164,184		KIDDER	08/08/1875				
	B1	300,155		STARR	06/10/1894				
	C1	371,664		BRANNAN et al.	10/18/1887				
	D1	452,220		GUNNING	05/12/1891				
	E1	1,314,855		CARPENTER	09/02/1919				
	F1	1,366,756		WAPPLER	01/25/1921				
	G1	1,731,627		JOHNSON et al.	10/15/1929				
	H1	1,735,271		GROFF	12/12/1929				
	I1	1,814,791		ENDE	07/14/1931				
	J1	1,908,583		WAPPLER	05/09/1933				
	K1	1,916,722		ENDE	07/04/1933				
	L1	1,932,258		WAPPLER	10/24/1933				
	M1	1,943,543		McFADDEN	01/16/1934				
	N1	1,983,669		KIMBLE	11/11/1934				
	O1	2,002,594		WAPPLER et al.	05/28/1935				
	P1	2,004,559		WAPPLER et al.	06/11/1935				
	Q1	2,050,904		TRICE	08/11/1936				
	R1								
FOREIGN PATENT DOCUMENTS									
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		T ⁶
		Office ³	Number ⁴	Kind Code ² (if known)					
	S1	GB	2,160,102	A	RICHARD WOLF GmbH	12/18/1985			
	T1								
	U1								
	V1								
	W1								
	X1								
	Y1								
	Z1								
Examiner Signature						Date Considered			

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>09/996,978</td> </tr> <tr> <td>Filing Date</td> <td>October 31, 2001</td> </tr> <tr> <td>First Named Inventor</td> <td>Mark D. Markel</td> </tr> <tr> <td>Group Art Unit</td> <td>3731</td> </tr> <tr> <td>Examiner Name</td> <td>to be assigned</td> </tr> <tr> <td>Attorney Docket Number</td> <td>A-70829/ENB</td> </tr> </table>		Application Number	09/996,978	Filing Date	October 31, 2001	First Named Inventor	Mark D. Markel	Group Art Unit	3731	Examiner Name	to be assigned	Attorney Docket Number	A-70829/ENB
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Sheet	2	of	4														

U.S. PATENT DOCUMENTS						
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		Number	Kind Code ² (if known)			
	A2	2,056,377		WAPPLER	10/06/1936	
	B2	2,224,464		WOLF	12/10/1940	
	C2	2,275,167		BIERMAN	03/03/1942	
	D2	2,888,928		SEIGER	06/02/1959	
	E2	3,152,590		ZURDO et al.	10/13/1964	
	F2	3,163,165		ISAKAWA	12/29/1964	
	G2	3,460,539		ANHALT, SR.	08/12/1969	
	H2	3,595,239		PETERSEN	07/27/1971	
	I2	3,768,482		SHAW	10/30/1973	
	J2	3,828,780		MORRISON, JR.	08/13/1974	
	K2	3,870,047		GONSER	03/11/1975	
	L2	3,901,242		STORZ	08/26/1975	
	M2	3,902,494		HABERLIN	09/02/1975	
	N2	3,920,021		HILTEBRANDT	11/18/1975	
	O2	3,920,022		PASTOR	11/18/1975	
	P2	3,938,527		RIOUX et al.	02/17/1976	
	Q2	3,987,795		MORRISON	10/26/1976	
	R2					

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		Office ³	Number ⁴	Kind Code ² (if known)				
	S2							
	T2							
	U2							
	V2							
	W2							
	X2							
	Y2							
	Z2							

Examiner Signature		Date Considered	
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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	09/996,978
Filing Date	October 31, 2001
First Named Inventor	Mark D. Markel
Group Art Unit	3731
Examiner Name	to be assigned
Attorney Docket Number	A-70829/ENB

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		Number	Kind Code ² (if known)			
	A3	4,927,420		NEWKIRK et al.	05/22/1990	
	B3	5,277,696		HAGEN	01/11/1994	
	C3	5,281,218		IMRAN	01/25/1994	
	D3	5,458,596		LAX et al.	10/17/1995	
	E3	5,514,130		BAKER	05/07/1996	
	F3	5,643,255		ORGAN	07/01/1997	
	G3	5,785,705		BAKER	07/2//1998	
	H3	6,068,628		FANTON et al.	05/30/2000	
	I3	6,135,999		FANTON et al.	10/24/2000	
	J3					
	K3					
	L3					
	M3					
	N3					
	O3					
	P3					
	Q3					
	R3					

FOREIGN PATENT DOCUMENTS

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		Office ³	Number ⁴	Kind Code ² (if known)				
	S							
	T							
	U							
	V							
	W							
	X							
	Y							
	Z							

Examiner Signature

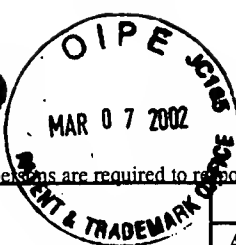
Date Considered

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Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	09/340,065
Filing Date	June 25, 1999
First Named Inventor	Hugh R. Sharkey
Group Art Unit	3739
Examiner Name	COHEN, L
Attorney Docket Number	A-69928/ENB

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Sheet 4 of 4

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	A4	LEE BEADLING, <i>Bi-Polar electrosurgical devices: Sculpting the future of arthroscopy</i> , ORTHOPEDICS TODAY, January 1997, Vol. 17, No. 1, SLACK, Inc., Medical Publisher.	
	B4		
	C4		
	D4		
	E4		
	F4		
	G4		
	H4		
	I4		
	J4		
	K4		

Examiner Signature	Date Considered
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8086 1449B.FRM (1/01)

(1067878)

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 14170-061001	Application No. 09/996,978
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Mark D. Markel	
		Filing Date October 31, 2001	Group Art Unit

U.S. Patent Documents							
Examiner Initial	Design ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

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Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Design ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Design ID	Document
A.R.	AQ	U.S. Patent Application Serial No. 09/780,648, filed February 8, 2001, Sharkey et al., entitled "Method and Apparatus for Treatment of Disrupted Articular Cartilage"
A.R.	AR	Organ, L.W., "Electrophysiologic Principles of Radiofrequency Lesion Making," <u>Applied Neurophysiology</u> , Vol. 39, 1976/77, pp. 69-76
A.R.	AS	Lu, Yan, et al., "Lavage Solution Temperature Influences Depth of Chondrocyte Death and Surface Contouring During Thermal Chondroplasty with Temperature-Controlled Monopolar Radiofrequency Energy," <u>American Journal of Sports Medicine</u> , Vol. 3, No. 5, Sept.-Oct. 2002, pp. 667-673
	AT	

Examiner Signature <i>Adrian Boone</i>	Date Considered 3/7/2003
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